

Q.P. Code: 211001**Reg. no.:****Second Professional MBBS Degree Supplementary Examinations
June 2024****Pharmacology - Paper I****(General Pharmacology, ANS, CNS, CVS, Blood, Diuretics, Autacoids, Respiratory System)****Time: 3 Hours****Total Marks: 100**

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers
- Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Long Essays**(2x15=30)**

1. Classify general anaesthetics. Write the mechanism of action, uses and adverse effects of Halothane. Enumerate four drugs used as pre-anaesthetic medication with its rationale for use. Discuss the management of Morphine poisoning. (4+3+6+2)
2. Ms. X, 50 year attended outpatient's department with H/o giddiness and headache. Her blood pressure recording was 160/96 mm Hg. Diagnosis was essential hypertension
 - (a) Name four drug groups with two examples which can be given for this patient.
 - (b) Write the mechanism of action, two uses and two adverse effects of any two of the above drug groups.
 - (c) Enumerate four drugs which can be given for hypertension in pregnancy.
 - (d) Briefly describe management of hypertensive emergency. (4+6+2+3)

Short essays**(5x8=40)**

3. Discuss the factors modifying drug action. Describe the clinical importance of plasma protein binding of drugs. (4+4)
4. Discuss the management of drug induced Parkinsonism. Discuss the management of megaloblastic anaemia. (4+4)
5. (a) Discuss the management of cardiogenic shock. (4+4)
(b) Discuss the treatment of status asthmaticus. (4+4)
6. (a) Alpha blockers (b) Enumerate the uses of prostaglandins (4+4)
7. (a) Diazepam (b) Describe the management of Acute Myocardial Infarction. (4+4)

Short answers**(5x4=20)**

8. Pharmacological basis of Adrenaline in Anaphylactic shock.
9. Pharmacological basis for the use of Protamine sulphate in heparin overdosage.
10. Pharmacological basis for the use of Timolol in glaucoma.
11. Treatment of organophosphorous poisoning.
12. Drugs used in migraine prophylaxis.

Choose the Appropriate Drug and Justify:**(2x1=2)**

13. Atropine / Phenylephrine for refraction testing.
14. Promethazine / Levocetirizine for a machine operator.

Name the following (Two examples for each):**(8x1=8)**

15. Nasal decongestants.
16. Mucolytics.
17. Drugs used to treat Alzheimer's disease.
18. Osmotic diuretics.
19. Parenteral iron preparation.
20. Drugs with low therapeutic index.
21. Antipsychotics.
22. Treatment of rheumatoid arthritis.
